

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042723\
 Data File : VY013509.D
 Acq On : 27 Apr 2023 21:57
 Operator : KP/MD
 Sample : 02502-10
 Misc : 4.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-511-VOC-02

Quant Time: Apr 28 01:35:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

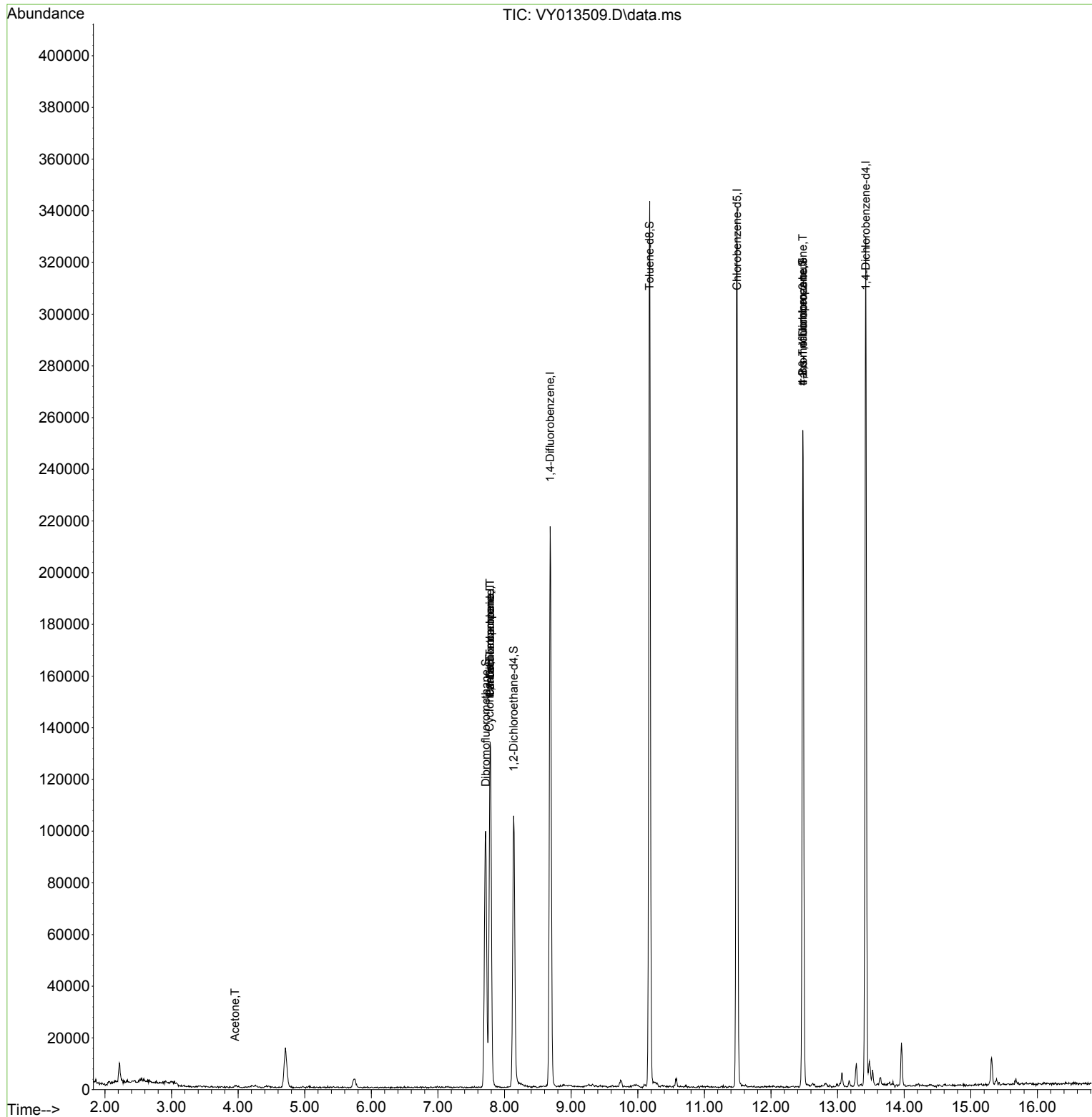
Internal Standards						
1) Pentafluorobenzene	7.783	168	105865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	179204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	185225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	83295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	84300	72.640	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	145.280%
35) Dibromofluoromethane	7.716	113	69941	62.053	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	124.100%
50) Toluene-d8	10.179	98	223023	55.622	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.240%
62) 4-Bromofluorobenzene	12.477	95	72394	53.556	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.120%
Target Compounds						
13) Acrolein	3.662	56	23	Below Cal	#	16
16) Acetone	3.954	43	1102	2.411	ug/l	90
20) Methylene Chloride	4.710	84	10312	Below Cal		89
31) Cyclohexane	7.777	56	2393	1.152	ug/l	# 58
36) 1,1-Dichloropropene	7.783	75	8218	4.393	ug/l	# 48
38) Carbon Tetrachloride	7.783	117	10263	5.235	ug/l	# 15
76) 1,2,3-Trichloropropane	12.477	75	38874	34.606	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	38874	70.788	ug/l	# 13

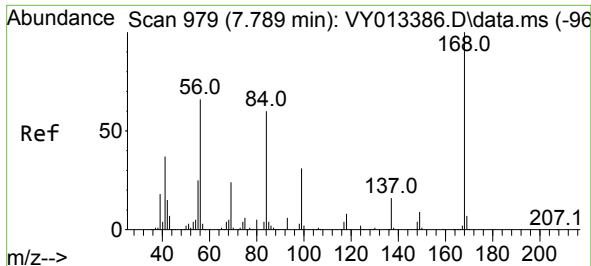
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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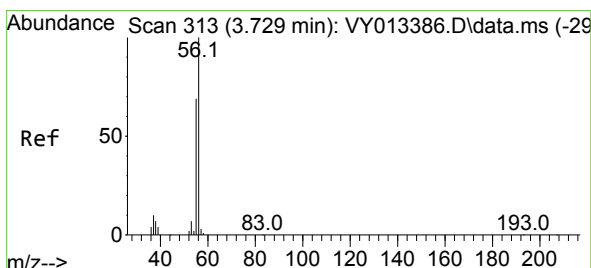
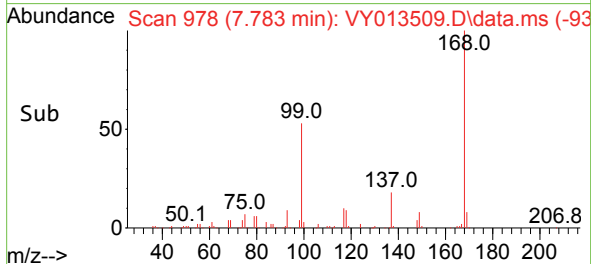
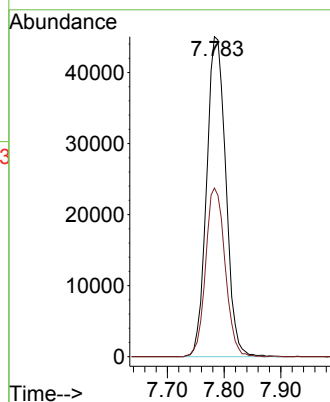
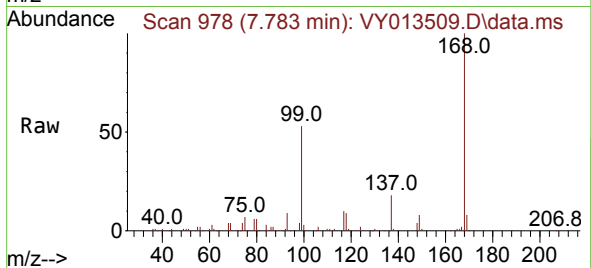




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

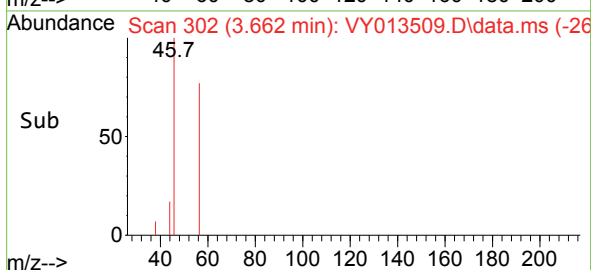
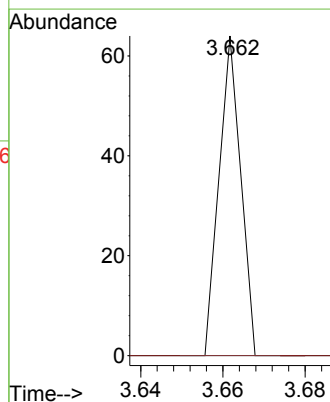
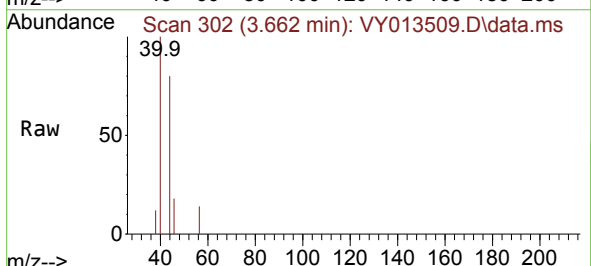
Instrument :
MSVOA_Y
ClientSampleId :
BU-511-VOC-02

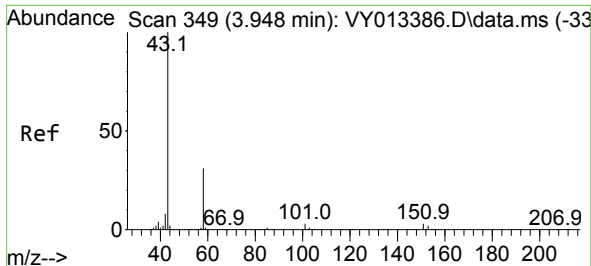
Tgt Ion:168 Resp: 105865
Ion Ratio Lower Upper
168 100
99 52.7 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.662 min Scan# 302
Delta R.T. -0.067 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#

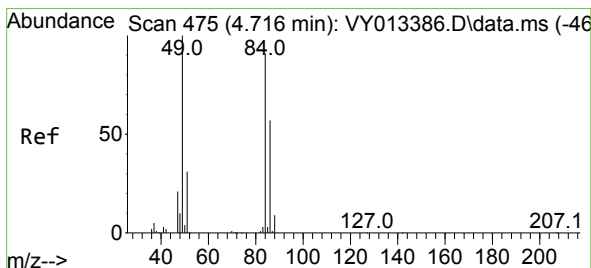
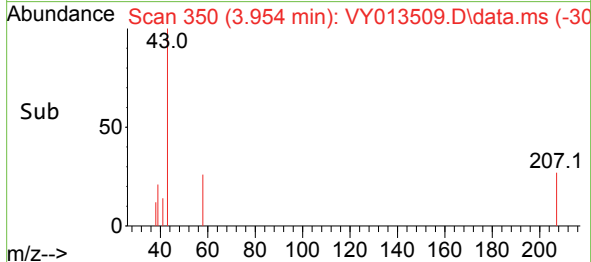
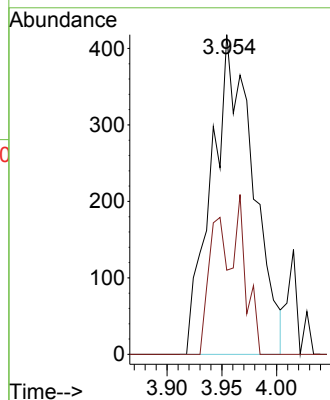
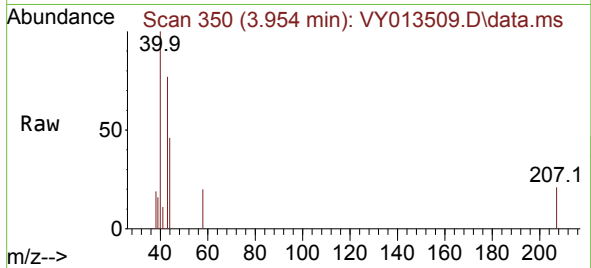




#16
Acetone
Concen: 2.411 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

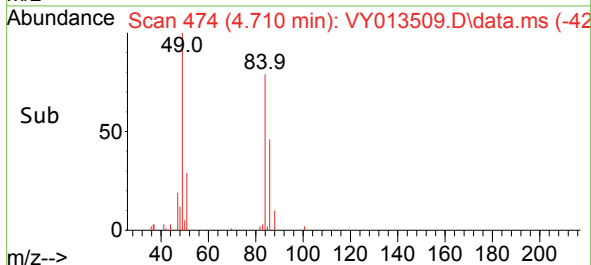
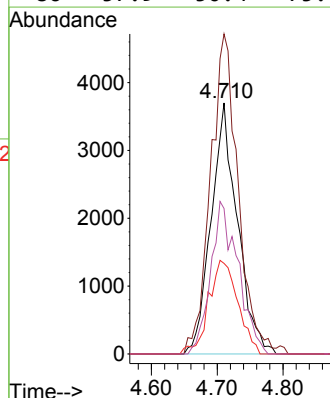
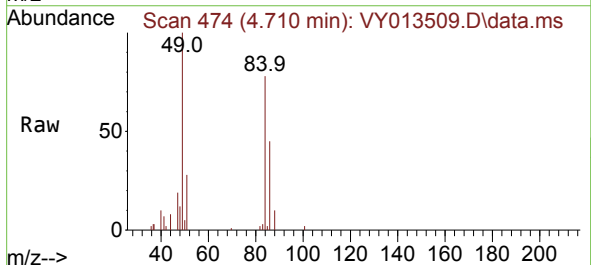
Instrument :
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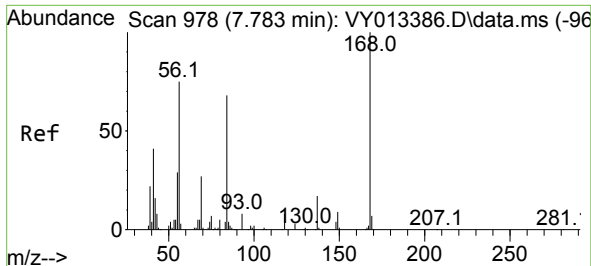
Tgt Ion: 43 Resp: 1102
Ion Ratio Lower Upper
43 100
58 26.3 25.4 38.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

Tgt Ion: 84 Resp: 10312
Ion Ratio Lower Upper
84 100
49 127.5 88.0 132.0
51 36.1 27.4 41.0
86 57.9 50.4 75.6

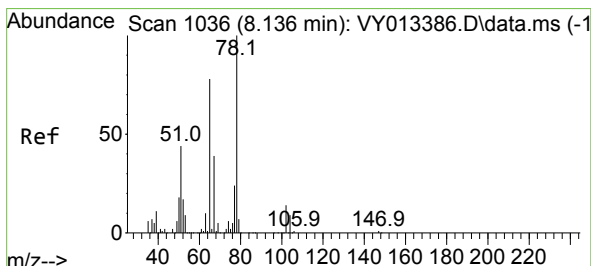
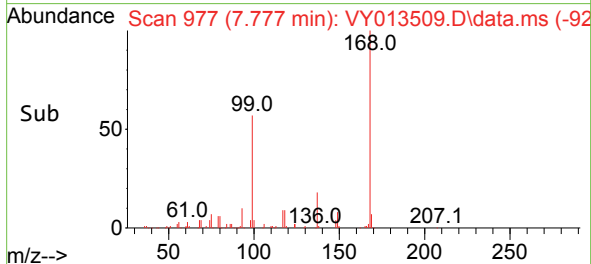
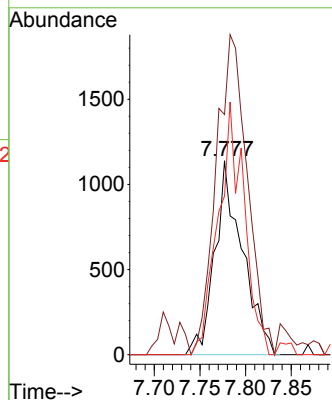
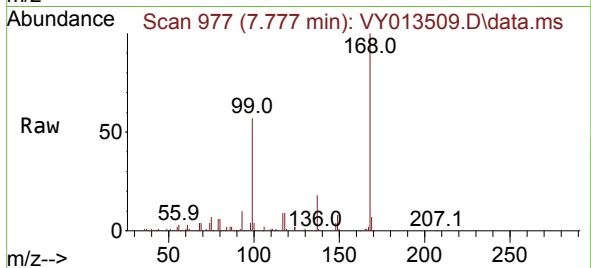




#31
Cyclohexane
Concen: 1.152 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

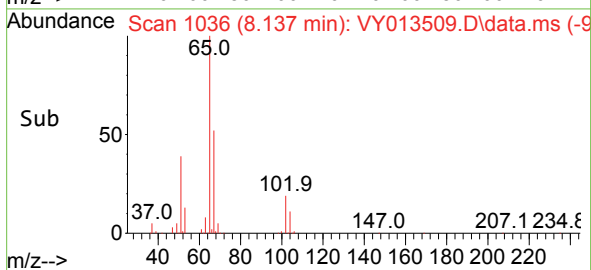
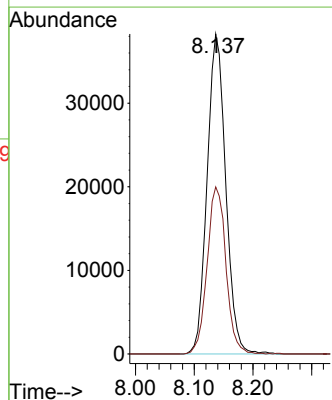
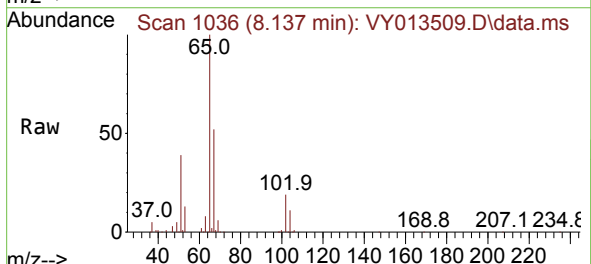
Instrument :
MSVOA_Y
ClientSampleId :
BU-511-VOC-02

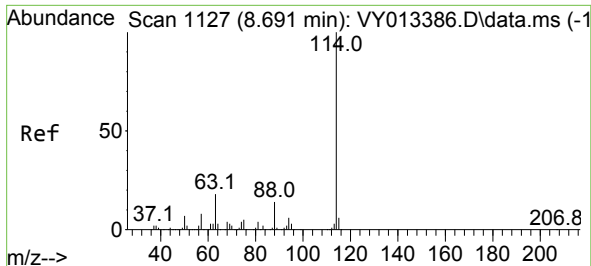
Tgt Ion: 56 Resp: 2393
Ion Ratio Lower Upper
56 100
69 107.8 29.2 43.8#
84 81.7 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 72.640 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

Tgt Ion: 65 Resp: 84300
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.4

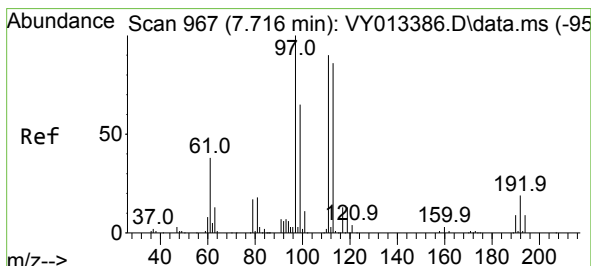
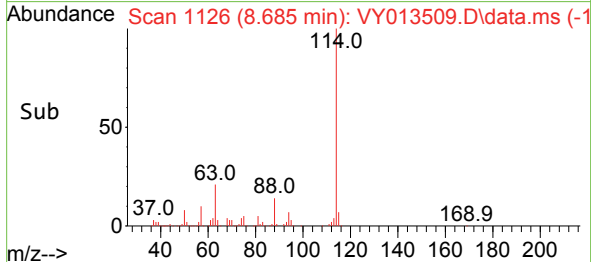
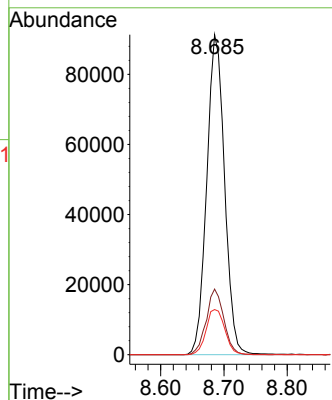
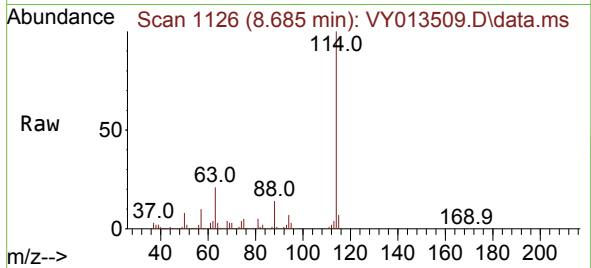




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

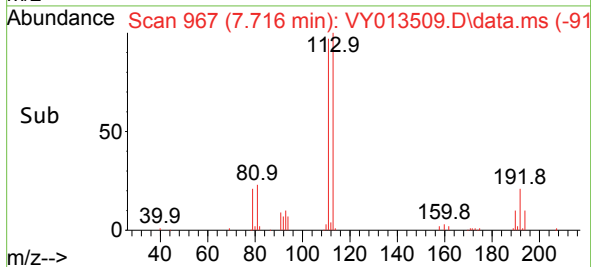
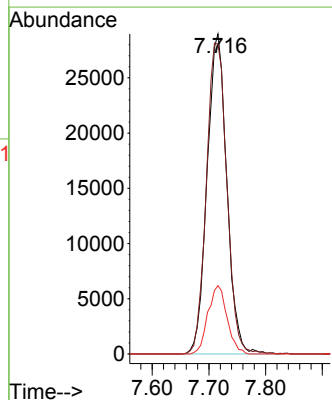
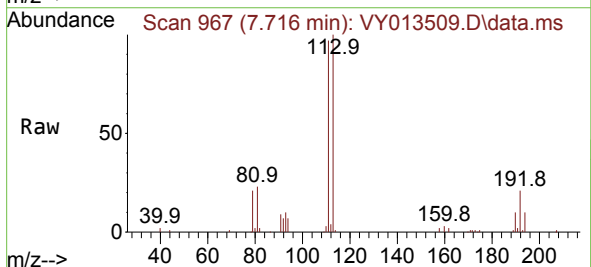
Instrument :
MSVOA_Y
ClientSampleId :
BU-511-VOC-02

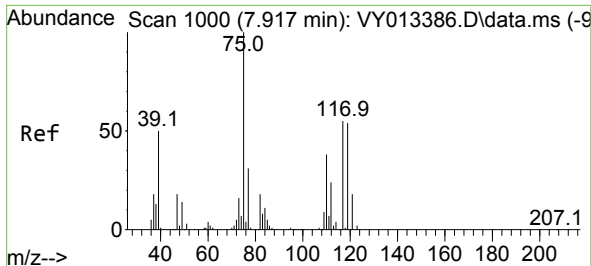
Tgt Ion:114 Resp: 179204
Ion Ratio Lower Upper
114 100
63 20.5 0.0 36.6
88 14.1 0.0 28.8



#35
Dibromofluoromethane
Concen: 62.053 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

Tgt Ion:113 Resp: 69941
Ion Ratio Lower Upper
113 100
111 100.8 82.2 123.2
192 20.7 16.7 25.1

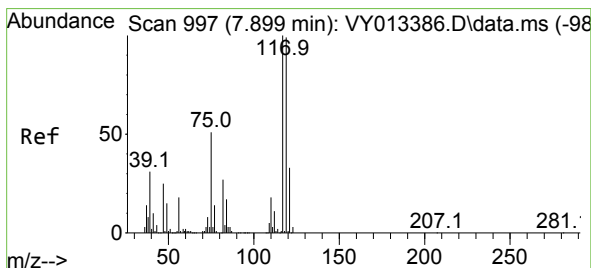
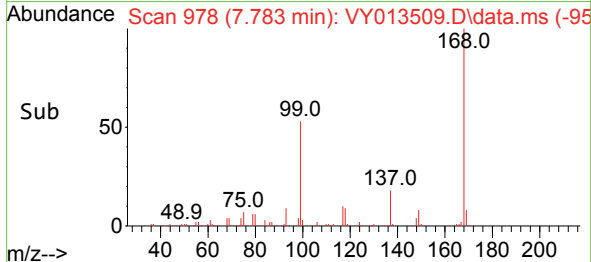
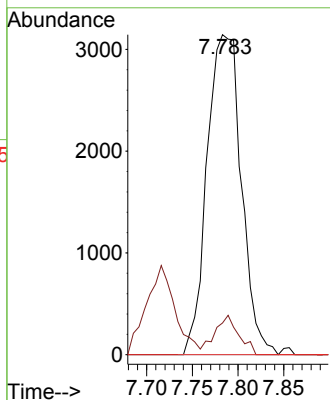
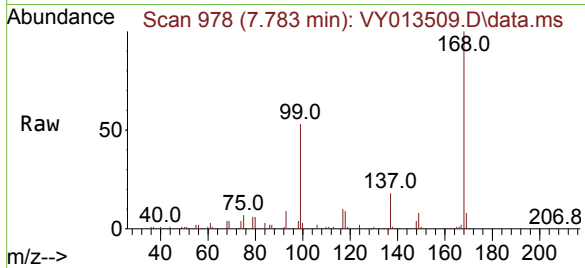




#36
1,1-Dichloropropene
Concen: 4.393 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

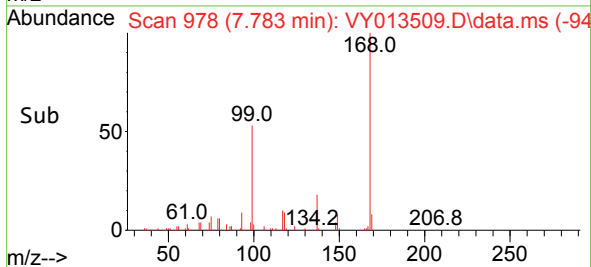
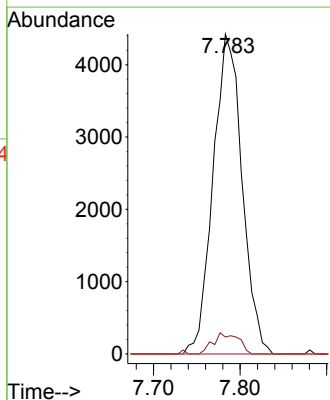
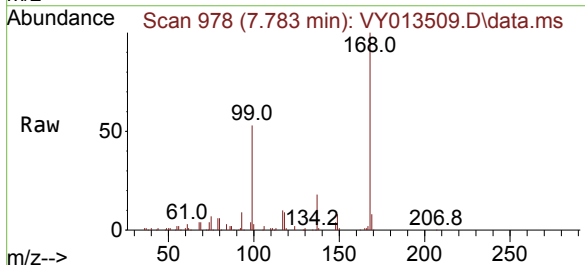
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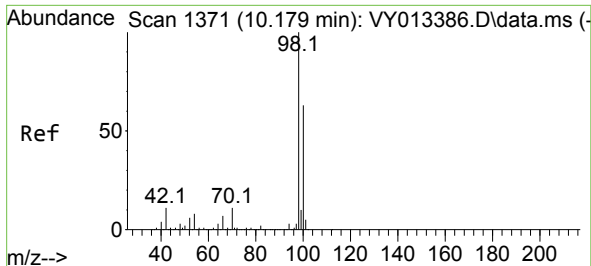
Tgt Ion: 75 Resp: 8218
Ion Ratio Lower Upper
75 100
110 8.6 18.7 56.1#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.235 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

Tgt Ion: 117 Resp: 10263
Ion Ratio Lower Upper
117 100
119 5.3 79.0 118.6#
121 0.0 26.6 40.0#

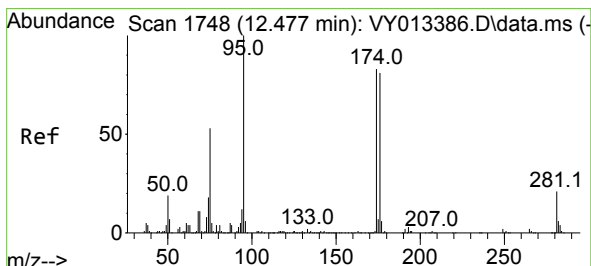
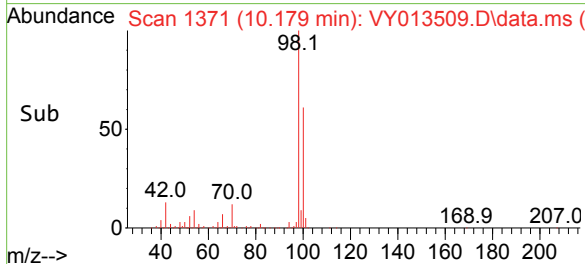
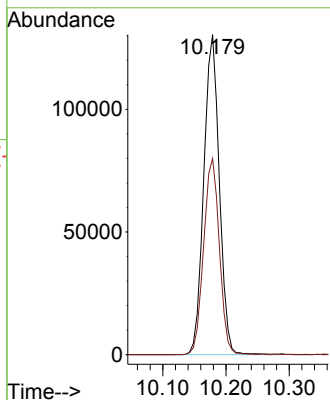
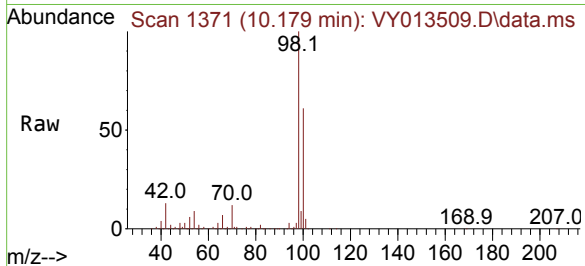




#50
Toluene-d8
Concen: 55.622 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

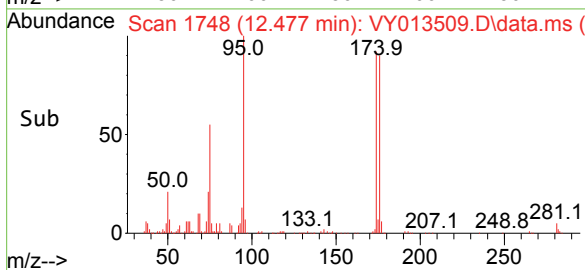
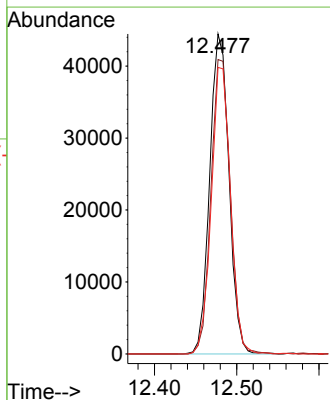
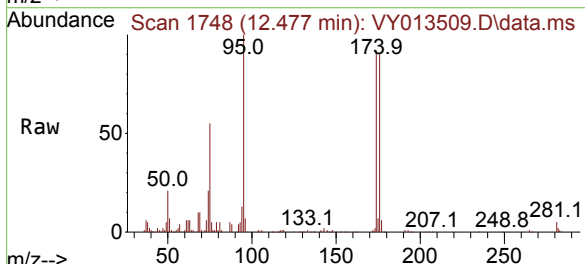
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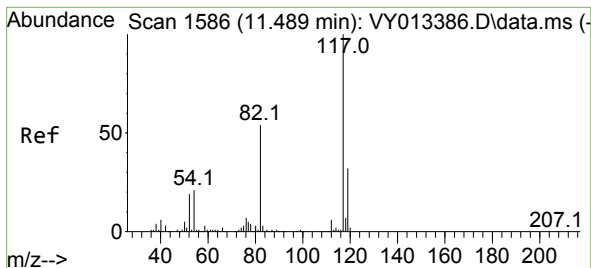
Tgt Ion: 98 Resp: 223023
Ion Ratio Lower Upper
98 100
100 62.1 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 53.556 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

Tgt Ion: 95 Resp: 72394
Ion Ratio Lower Upper
95 100
174 92.3 0.0 182.0
176 89.2 0.0 175.4

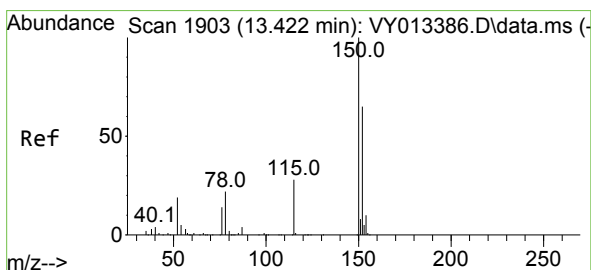
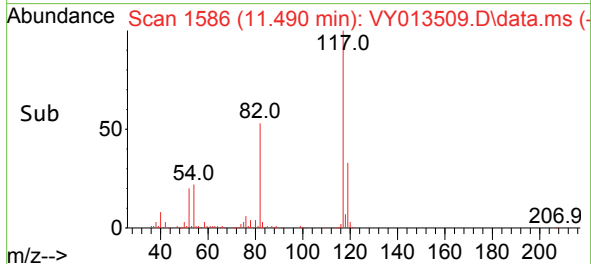
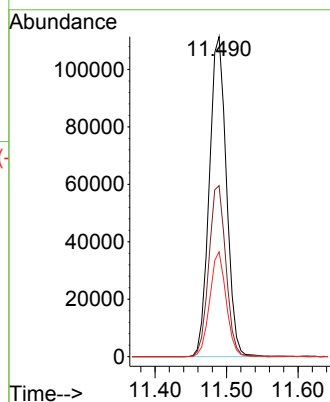
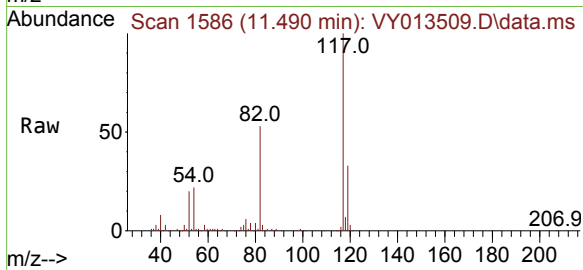




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

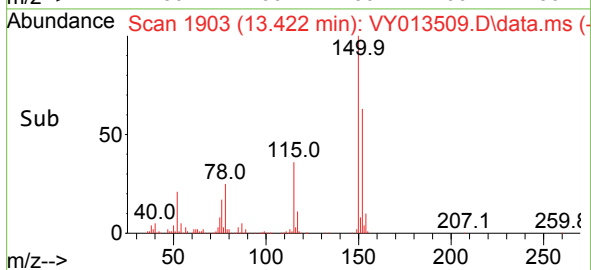
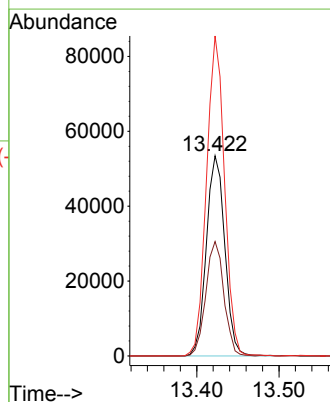
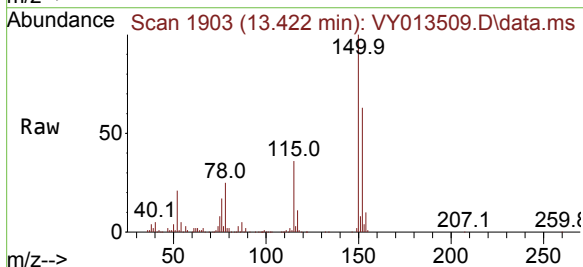
Instrument :
MSVOA_Y
ClientSampleId :
BU-511-VOC-02

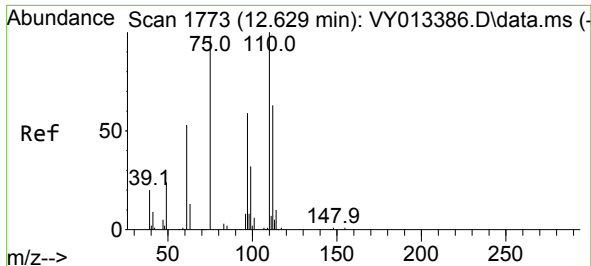
Tgt Ion:117 Resp: 185225
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.6
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

Tgt Ion:152 Resp: 83295
Ion Ratio Lower Upper
152 100
115 56.1 28.1 84.2
150 156.2 0.0 352.0

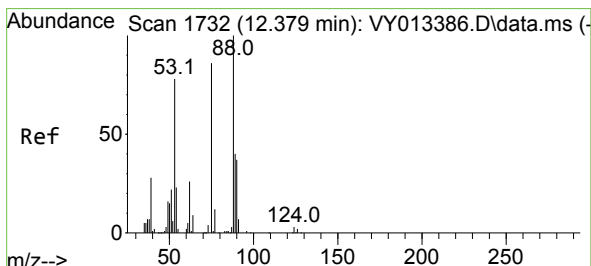
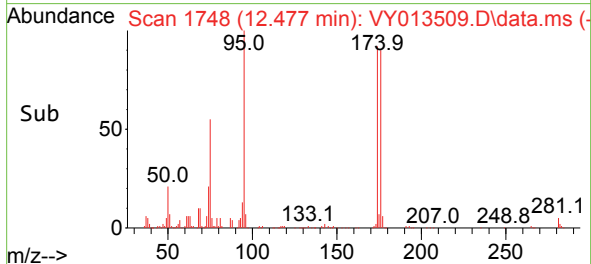
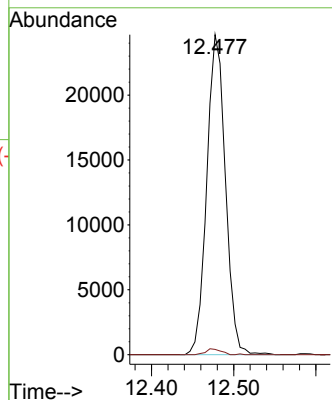
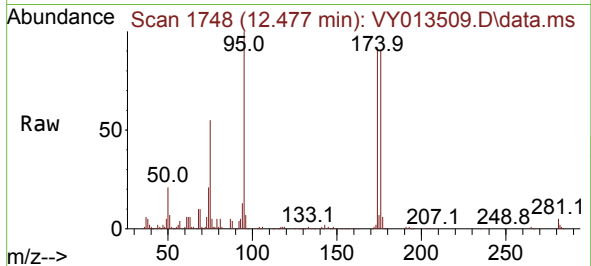




#76
1,2,3-Trichloropropane
Concen: 34.606 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

Instrument :
MSVOA_Y
ClientSampleId :
BU-511-VOC-02

Tgt Ion: 75 Resp: 38874
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.788 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

Tgt Ion: 75 Resp: 38874
Ion Ratio Lower Upper
75 100
53 0.1 73.2 109.8#
89 0.1 38.0 57.0#

